



GSD-10 GENERAL SOURCE DATA– INSIGNIFICANT ACTIVITIES

State Form 51596 (R2 / 10-04)

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT



NOTES:

- The purpose of this form is to identify all trivial and insignificant activities in operation at the source. This form is required for all air permit applications.
- Detailed instructions for this form are available at <http://www.IN.gov/ideam/air/permits/apps/instructions/gsd10instructions.html>.
- All information submitted to IDEM will be made available to the public unless it is submitted under a claim of confidentiality. Claims of confidentiality must be made at the time the information is submitted to IDEM, and must follow the requirements set out in 326 IAC 17.1-4-1. Failure to follow these requirements exactly will result in your information becoming a public record, available for public inspection.

IDEM - Office of Air Quality - Permits Branch
100 N. Senate Avenue
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Toll Free: 1-800-451-6027 x30178 (within Indiana)
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FOR OFFICE USE ONLY

PERMIT NUMBER:

Part A: Trivial Activities

Part A is intended to identify all trivial activities in operation at the source. **Please use this table as a checklist.** Check each item and sub-item that applies. If applicable, provide the Emissions Unit Identification number that corresponds to the Plant Layout and Process Flow diagrams.

Unit ID	Description of Trivial Activity
	1. Any activity or emission unit, not regulated by a NESHAP, whose potential uncontrolled emissions are equal to or less than 1 pound per day on an emission unit basis for any single HAP or combination of HAPs.
	2. Water related activities including: Production of hot water for on-site personal use not related to any industrial or production process. Water treatment activities used to provide potable and process water for the plant, excluding any activities associated with wastewater treatment. Steam traps, vents, leaks and safety relief valves. Cooling ponds. Laundry operations using only water solutions of bleach or detergents. Demineralized water tanks and demineralizer vents. Boiler water treatment operations, not including cooling towers. Oxygen scavenging (de-aeration) of water. Steam cleaning operations and steam sterilizers. Pressure washing of equipment. Water jet cutting operations.
	3. Combustion activities including the following: Portable electrical generators that can be moved by hand from one location to another. "Moved by hand" means that it can be moved without the assistance of any motorized or non-motorized vehicle, conveyance, or device. Fuel use related to food preparation for on-site consumption. Combustion emissions from propulsion of mobile sources. Tobacco smoking rooms and areas. Blacksmith forges. Indoor and outdoor kerosene heaters.

Part A: Trivial Activities (continued)

Part A is intended to identify all trivial activities in operation at the source. Please use this table as a checklist. Check each item and sub-item that applies. If applicable, provide the Emissions Unit Identification number that corresponds to the Plant Layout and Process Flow diagrams.

Unit ID	Description of Trivial Activity
	4. Ventilation and venting related equipment including the following:
	<p>Ventilation exhaust, central chiller water systems, refrigeration and air conditioning equipment, not related to any industrial or production process, including natural draft hoods or ventilating systems that do not remove air pollutants.</p> <p>Stack and vents from plumbing traps used to prevent the discharge of sewer gases, handling domestic sewage only, excluding those at wastewater treatment plants or those handling any industrial waste.</p> <p>Vents from continuous emissions monitors and other analyzers.</p> <p>Natural gas pressure regulator vents, excluding venting at oil and gas production facilities.</p> <p>Air vents from air compressors.</p> <p>Vents for air cooling of electric motors provided the air does not commingle with regulated air pollutants.</p> <p>Vents from equipment used to air blow water from cooled plastics strands or sheets.</p>
	5. Activities related to routine fabrication, maintenance and repair of buildings, structures, equipment or vehicles at the source where air emissions from those activities would not be associated with any commercial production process including the following:
	<p>Activities associated with the repair and maintenance of paved and unpaved roads, including paving or sealing, or both, of parking lots and roadways.</p> <p>Painting, including interior and exterior painting of buildings, and solvent use, excluding degreasing operations utilizing halogenated organic solvents.</p> <p>Brazing, soldering, or welding operations and associated equipment.</p> <p>Portable blast-cleaning equipment with enclosures.</p> <p>Blast-cleaning equipment using water as the suspension agent and associated equipment.</p> <p>Batteries and battery charging stations, except at battery manufacturing plants.</p> <p>Lubrication, including hand-held spray can lubrication, dipping metal parts into lubricating oil, and manual or automated addition of cutting oil in machining operations.</p> <p>Non-asbestos insulation installation or removal.</p> <p>Bead blasting of heater tubes.</p> <p>Instrument air dryer and filter maintenance.</p> <p>Manual tank gauging.</p> <p>Open tumblers associated with deburring operations in maintenance shops.</p> <p>Tarring, retarring and repair of building roofs.</p>
	6. Equipment and activities related to the handling, treating, and processing of animals including:
	<p>Equipment used exclusively to slaughter animals, but not including other equipment at slaughterhouses, such as rendering cookers, boilers, heating plants, incinerators, and electrical power generating equipment.</p> <p>Veterinary operating rooms.</p>

Part A: Trivial Activities (continued)

Part A is intended to identify all trivial activities in operation at the source. **Please use this table as a checklist.** Check each item and sub-item that applies. If applicable, provide the Emissions Unit Identification number that corresponds to the Plant Layout and Process Flow diagrams.

Unit ID	Description of Trivial Activity			
	7. Activities performed using hand-held equipment including the following:			
	<table border="1"> <tbody> <tr> <td> Application of hot melt adhesives with no VOC in the adhesive formulation. Buffing. Carving. Cutting, excluding cutting torches. </td><td> Drilling. Grinding. Machining wood, metal, or plastic. Polishing. Routing. </td><td> Sanding. Sawing. Turning wood, metal, or plastic. Surface grinding. </td></tr> </tbody> </table>	Application of hot melt adhesives with no VOC in the adhesive formulation. Buffing. Carving. Cutting, excluding cutting torches.	Drilling. Grinding. Machining wood, metal, or plastic. Polishing. Routing.	Sanding. Sawing. Turning wood, metal, or plastic. Surface grinding.
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	8. Housekeeping and janitorial activities and supplies including the following:			
	Vacuum cleaning systems used exclusively for housekeeping or custodial activities, or both. Steam cleaning activities. Rest rooms and associated cleanup operations and supplies. Alkaline or phosphate cleaners and associated equipment. Mobile floor sweepers and floor scrubbers. Pest control fumigation.			
	9. Office related activities including the following:			
	Office supplies and equipment. Photocopying equipment and associated supplies. Paper shredding. Blueprint machines, photographic equipment, and associated supplies.			
	10. Sampling and testing equipment and activities including the following:			
	Equipment used for quality control/assurance or inspection purposes, including sampling equipment used to withdraw materials for analysis. Hydraulic and hydrostatic testing equipment. Ground water monitoring wells and associated sample collection equipment. Environmental chambers not using hazardous air pollutant (HAP) gasses. Shock chambers. Humidity chambers. Solar simulators. Sampling activities including: Sampling of waste. Glove box sampling, charging, and packaging. Instrument air dryers and distribution.			

Part A: Trivial Activities (continued)

Part A is intended to identify all trivial activities in operation at the source. **Please use this table as a checklist.** Check each item and sub-item that applies. If applicable, provide the Emissions Unit Identification number that corresponds to the Plant Layout and Process Flow diagrams.

Unit ID	Description of Trivial Activity										
	<p>11. Storage equipment and activities including:</p> <p>Pressurized storage tanks and associated piping for the following:</p> <table border="0"> <tr> <td>Anhydrous ammonia.</td><td>Liquid natural gas (LNG)(propane).</td></tr> <tr> <td>Acetylene.</td><td>Liquid petroleum gas (LPG).</td></tr> <tr> <td>Carbon Monoxide.</td><td>Natural gas.</td></tr> <tr> <td>Chlorine.</td><td>Nitrogen dioxide.</td></tr> <tr> <td>Inorganic compounds.</td><td>Sulfur dioxide.</td></tr> </table> <p>Storage tanks, vessels, and containers holding or storing liquid substances that do not contain any VOC or HAP.</p> <p>Storage tanks, reservoirs, and pumping and handling equipment of any size containing soap, wax, vegetable oil, grease, animal fat, and nonvolatile aqueous salt solutions, provided appropriate lids and covers are utilized.</p> <p>Storage of drums containing maintenance raw materials.</p> <p>Storage of the following:</p> <p>Castings.</p> <p>Lance rods.</p> <p>Any non-HAP containing material in solid form stored in a sealed or covered container.</p> <p>Portable containers used for the collection, storage, or disposal of materials provided the container capacity is equal to or less than 0.46 cubic meters and the container is closed except when the material is added or removed.</p>	Anhydrous ammonia.	Liquid natural gas (LNG)(propane).	Acetylene.	Liquid petroleum gas (LPG).	Carbon Monoxide.	Natural gas.	Chlorine.	Nitrogen dioxide.	Inorganic compounds.	Sulfur dioxide.
Anhydrous ammonia.	Liquid natural gas (LNG)(propane).										
Acetylene.	Liquid petroleum gas (LPG).										
Carbon Monoxide.	Natural gas.										
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	<p>12. Emergency and standby equipment including:</p> <p>Emergency (backup) electrical generators at residential locations, such as dormitories, prisons and hospitals.</p> <p>Safety and emergency equipment, except engine driven fire pumps, including fire suppression systems and emergency road flares.</p> <p>Process safety relief devices installed solely for the purpose of minimizing injury to persons or damage to equipment which could result from abnormal process operating conditions, including the following:</p> <p>Explosion relief vents, diaphragms or panels.</p> <p>Rupture discs.</p> <p>Safety relief valves.</p> <p>Activities and equipment associated with on-site medical care not otherwise specifically regulated.</p> <p>Vacuum producing devices for the purpose of removing potential accidental releases.</p>										

Part A: Trivial Activities (continued)

Part A is intended to identify all trivial activities in operation at the source. **Please use this table as a checklist.** Check each item and sub-item that applies. If applicable, provide the Emissions Unit Identification number that corresponds to the Plant Layout and Process Flow diagrams.

Unit ID	Description of Trivial Activity
	13. Activities associated with production including the following:
	<p>Closed, non-vented, tumblers used for cleaning or deburring metal products without abrasive blasting.</p> <p>Electrical resistance welding.</p> <p>CO2 lasers, used only on metals and other materials which do not emit HAPs in the process.</p> <p>Laser trimmers which do not produce fugitive emissions and are equipped with dust collection devices such as bag filter, cyclone, or equivalent device.</p> <p>Application equipment for hot melt adhesives with no VOC in the adhesive formulation.</p> <p>Drop hammers or hydraulic presses for forging or metalworking.</p> <p>Air compressors and pneumatically operated equipment, including hand tools.</p> <p>Compressor or pump lubrication and seal oil systems.</p> <p>Equipment used to mix and package soaps, vegetable oil, grease, animal fat, and nonvolatile aqueous salt solutions, provided appropriate lids and covers are utilized.</p> <p>Equipment for washing or drying fabricated glass or metal products, if no VOCs or HAPs are used in the process, and no gas, oil or solid fuel is burned.</p> <p>Handling of solid steel, including coils and slabs, excluding scrap burning, scarfing, and charging into steel making furnaces and vessels.</p>
	14. Miscellaneous equipment, but not emissions associated with the process for which the equipment is used, and activities including the following:
	<p>Equipment used for surface coating, painting, dipping or spraying operation, except those that will emit VOCs or HAPs.</p> <p>Condensate drains for natural gas and landfill gas.</p> <p>Electric or steam heated drying ovens and autoclaves, including only the heating emissions and not any associated process emissions.</p> <p>Salt baths using nonvolatile salts including caustic solutions that do not result in emissions of any regulated air pollutants.</p> <p>Ozone generators.</p> <p>Portable dust collectors.</p> <p>Scrubber systems circulating water based solutions of inorganic salts or bases which are installed to be available for response to emergency situations.</p> <p>Soil borrow pits.</p> <p>Manual loading and unloading operations.</p> <p>Purging of refrigeration devices using a combination of nitrogen and CFC-22 (R-22) as pressure test media.</p> <p>Construction and demolition operations.</p> <p>Mechanical equipment gear boxes and vents which are isolated from process materials.</p> <p>Non-volatile mold release waxes and agents.</p>

Part A: Trivial Activities (continued)

Part A is intended to identify all trivial activities in operation at the source. **Please use this table as a checklist.** Check each item and sub-item that applies. If applicable, provide the Emissions Unit Identification number that corresponds to the Plant Layout and Process Flow diagrams.

Unit ID	Description of Trivial Activity
	15. Lawn care and landscape maintenance activities and equipment, including the storage, spraying or application of insecticides, pesticides and herbicides.
	16. Use of consumer products and equipment where the product or equipment is used at a source in the same manner as normal consumer use and is not associated with any production process.
	17. Activities generating limited amounts of fugitive dust including:
	<p>Fugitive emissions related to movement of passenger vehicles, provided the emissions are not counted for applicability purposes under 326 IAC 2-7-1(21)(B), and any required fugitive dust control plan or its equivalent is submitted.</p> <p>Soil boring.</p> <p>Road salting and sanding.</p>

Part B: Insignificant Activities

Insignificant activities are defined as those activities with potential emissions equal to or less than the following thresholds:

<i>Carbon Monoxide (CO) = 25 lbs/day</i>	<i>Particulate Matter (PM) = 5 lbs/hour or 25 lbs/day</i>
<i>Lead (Pb) = 0.6 ton/year or 3.29 lbs/day</i>	<i>Sulfur Dioxide (SO₂) = 5 lbs/hour or 25 lbs/day</i>
<i>Nitrogen Oxides (NO_x) = 5 lbs/hour or 25 lbs/day</i>	<i>Volatile Organic Compounds (VOC) = 3 lbs/hour or 15 lbs/day</i>

Part B is intended to identify all insignificant activities in operation at the source. **Please use this table as a checklist.** Indicate which activities are present by checking the appropriate box. If applicable, provide the Emissions Unit Identification number that corresponds to the Plant Layout and Process Flow diagrams.

Unit ID	Description of Insignificant Activity
	18. Space heaters, process heaters, or boilers using the following fuels.
	<p>Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) Btu per hour.</p> <p>Propane or liquified petroleum gas, or butane-fired combustion sources with heat input equal to or less than six million (6,000,000) Btu per hour.</p> <p>Fuel oil-fired combustion sources with heat input equal to or less than two million (2,000,000) Btu per hour and firing fuel containing less than five-tenths (0.5) percent sulfur by weight.</p> <p>Wood-fired combustion sources with heat input equal to or less than one million (1,000,000) Btu per hour and not burning wood refuse, treated wood or chemically contaminated wood.</p>
	19. Equipment powered by internal combustion engines of capacity equal to or less than 500,000 Btu/hour, except where total capacity of equipment operated by one stationary source exceeds 2,000,000 Btu/hour.
	20. Combustion source flame safety purging on startup.
	21. The following VOC and HAP storage containers:
	<p>Storage tanks with capacity less than or equal to 1,000 gallons and annual throughputs less than 12,000 gallons.</p> <p>Vessels storing lubricating oils, hydraulic oils, machining oils, and machining fluids.</p>

Part B: Insignificant Activities (continued)

Part B is intended to identify all insignificant activities in operation at the source. **Please use this table as a checklist.** Indicate which activities are present by checking the appropriate box. If applicable, provide the Emissions Unit Identification number that corresponds to the Plant Layout and Process Flow diagrams.

Unit ID	Description of Insignificant Activity
	22. Refractory storage not requiring air pollution control equipment.
	23. Equipment used exclusively for the following: Packaging lubricants and greases. Filling drums, pails or other packaging containers with lubricating oils, waxes, and greases.
	24. Application of oils, greases, lubricants or other nonvolatile materials applied as temporary protective coatings.
	25. Machining where an aqueous cutting coolant continuously floods the machining interface.
	26. Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6.
	27. Cleaners and solvents characterized as follows: having a vapor pressure equal to or less than 2 kPa; 15mm Hg; or 0.3 psi measured at 38 degrees C (100 o F) or; having a vapor pressure equal to or less than 0.7 kPa; 5mm Hg; or 0.1 psi measured at 20 o C (68 o F); the use of which for all cleaners and solvents combined does not exceed 145 gallons per 12
	28. The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment.
	29. Closed loop heating and cooling systems.
	30. Infrared cure equipment.
	31. Exposure chambers ("towers", "columns"), for curing of ultraviolet inks and ultra-violet coatings where heat is the intended discharge.
	32. Any of the following structural steel and bridge fabrication activities: Cutting 200,00 linear feet or less of one inch (1") plate or equivalent. Using 80 tons or less of welding consumables.
	33. Rolling oil recovery systems.
	34. Groundwater oil recovery wells.
	35. Solvent recycling systems with batch capacity less than or equal to 100 gallons.
	36. Activities associated with the treatment of wastewater streams with an oil and grease content less than or equal to 1% by volume.
	37. Water runoff ponds for petroleum coke-cutting and coke storage piles.
	38. Activities associated with the transportation and treatment of sanitary sewage, provided discharge to the treatment plant is under the control of the owner/operator, that is, an on-site sewage treatment facility.

Part B: Insignificant Activities (continued)

Part B is intended to identify all insignificant activities in operation at the source. **Please use this table as a checklist.** Indicate which activities are present by checking the appropriate box. If applicable, provide the Emissions Unit Identification number that corresponds to the Plant Layout and Process Flow diagrams.

Unit ID	Description of Insignificant Activity
	39. Any operation using aqueous solutions containing less than 1% by weight of VOCs excluding HAPs.
	40. Water based adhesives that are less than or equal to 5% by volume of VOCs excluding HAPs.
	41. Noncontact cooling tower systems with either of the following: Natural draft cooling towers not regulated under a NESHAP. Forced and induced draft cooling tower system not regulated under a NESHAP.
	42. Quenching operations used with heat treating processes.
	43. Replacement or repair of electrostatic precipitators, bags in baghouses and filters in other air filtration equipment.
	44. Heat exchanger cleaning and repair.
	45. Process vessel degassing and cleaning to prepare for internal repairs.
	46. Trimmers that do not produce fugitive emissions and that are equipped with a dust collection or trim material recovery device such as a bag filter or cyclone.
	47. Stockpiled soils from soil remediation activities that are covered and waiting transport for disposal.
	48. Paved and unpaved roads and parking lots with public access.
	49. Conveyors as follows: Covered conveyors for coal or coke conveying of less than or equal to 360 tons per day; Covered conveyors for limestone conveying of less than or equal to 7,200 tons per day for sources other than mineral processing plants constructed after August 31, 1983; Uncovered coal conveying of less than or equal to 120 tons per day. Underground conveyors. Enclosed systems for conveying plastic raw materials and plastic finished goods.
	50. Coal bunker and coal scale exhausts and associated dust collector vents.
	51. Asbestos abatement projects regulated by 326 IAC 14-10.
	52. Purging of gas lines and vessels that is related to routine maintenance and repair of buildings, structures, or vehicles at the source where air emissions from those activities would not be associated with any production process.
	53. Flue gas conditioning systems and associated chemicals such as the following: sodium sulfate; ammonia; and sulfur trioxide.
	54. Equipment used to collect any material that might be released during a malfunction, process upset, or spill cleanup, including catch tanks, temporary liquid separators, tanks, and fluid handling equipment.

Part B: Insignificant Activities (continued)

Part B is intended to identify all insignificant activities in operation at the source. **Please use this table as a checklist.** Indicate which activities are present by checking the appropriate box. If applicable, provide the Emissions Unit Identification number that corresponds to the Plant Layout and Process Flow diagrams.

Unit ID	Description of Insignificant Activity
	55. Blowdown for any of the following: sight glass; boiler; compressors; pumps; and cooling tower.
	56. Furnaces used for melting metals other than beryllium with a brim full capacity of less than or equal to 450 cubic inches by volume.
	57. On-site fire and emergency response training approved by the department.
	58. Emergency generators as follows:
	Gasoline generators not exceeding 110 horsepower. Diesel generators not exceeding 1600 horsepower. Natural gas turbines or reciprocating engines not exceeding 16,000 horsepower.
	59. Other emergency equipment as follows:
	Stationary fire pumps.
	60. A gasoline fuel transfer and dispensing operation handling less than or equal to 1,300 gallons per day, such as filling of tanks, locomotives, automobiles, having a storage capacity less than or equal to 10,500 gallons.
	61. A petroleum fuel, other than gasoline, dispensing facility, having a storage capacity of less than or equal to 10,500 gallons, and dispensing less than or equal to 230,000 gallons per month.
	62. Grinding and machining operations controlled with fabric filters, scrubbers, mist collectors, wet collectors and electrostatic precipitators with a design grain loading of less than or equal to 0.03 grains per actual cubic foot and a gas flow rate less than or equal to 4000 actual cubic feet per minute, including the following: deburring; buffing; polishing; abrasive blasting; pneumatic conveying; and woodworking operations.
	63. Purge double block and bleed valves.
	64. Filter or coalescer media changeout.
	65. Vents from ash transport systems not operated at positive pressure.
	66. Mold release agents using low volatile products (vapor pressure less than or equal to 2 kilopascals measured at 38 degrees C).
	67. A laboratory as defined in 326 IAC 2-7-1(20)(C).
	68. Farm operations.

Part C is intended to identify all other trivial and insignificant activities in operation at the source that are not identified above in Parts A or B. If applicable, provide the Emissions Unit Identification number that corresponds to the Plant Layout and Process Flow diagrams.

[illegible]

Part D: Activities with HAP Emissions

Part D is intended to identify all trivial and insignificant activities in operation at the source that have the potential to emit hazardous air pollutants (HAP). These activities may or may not be identified above in Parts A or B. Indicate which type of "other activities" are present by checking the appropriate box, and provide a brief description.

70. Individual HAP Emissions:

Identify any emissions unit emitting greater than 1 pound per day but less than 5 pounds per day or 1 ton per year of a single HAP.

Unit ID	Emissions Unit	HAP	Brief Description	Applicable Requirements

71. Combination HAP Emissions:

Identify any emissions unit emitting greater than 1 pound per day but less than 12.5 pounds per day or 2.5 ton per year of a combination of HAPs.

Unit ID	Emissions Unit	HAPs	Brief Description	Applicable Requirements

Part E is intended to identify all specifically regulated insignificant activities. Examples of specifically regulated activities that may have insignificant emissions include boilers, process heaters, any activity regulated under a federal rule such as MACT or BACT, etc. If you are not sure if an emissions unit would be considered a specifically regulated insignificant activity, contact the OAQ Permit Reviewer of the Day for additional guidance.

[illegible]